



MISSISSIPPI STATE DEPARTMENT OF HEALTH

RECEIVED WATER SUPPLY

2021 MAY 21 PM 1:50

2020 CERTIFICATION

Consumer Confidence Report (CCR)

Willow Grove Water Assoc.
Public Water System Name0160010

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR.

CCR DISTRIBUTION (Check all boxes that apply.)

INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)	DATE ISSUED
<input checked="" type="checkbox"/> Advertisement in local paper (Attach copy of advertisement)	5-12-21
<input type="checkbox"/> On water bills (Attach copy of bill)	
<input type="checkbox"/> Email message (Email the message to the address below)	
<input type="checkbox"/> Other _____	
DIRECT DELIVERY METHOD (Attach copy of publication, water bill or other)	DATE ISSUED
<input type="checkbox"/> Distributed via U. S. Postal Mail	
<input type="checkbox"/> Distributed via E-Mail as a URL (Provide Direct URL): _____	
<input type="checkbox"/> Distributed via E-Mail as an attachment	
<input type="checkbox"/> Distributed via E-Mail as text within the body of email message	
<input type="checkbox"/> Published in local newspaper (attach copy of published CCR or proof of publication)	
<input type="checkbox"/> Posted in public places (attach list of locations)	
<input type="checkbox"/> Posted online at the following address (Provide Direct URL): _____	

CERTIFICATION

I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the MSDH, Bureau of Public Water Supply

Margaret Thrash
NameOffice Manager
Title5-21-21
Date**SUBMISSION OPTIONS** (Select one method ONLY)

You must email, fax (not preferred), or mail a copy of the CCR and Certification to the MSDH.

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576-7800

(NOT PREFERRED)

CCR DEADLINE TO MSDH & CUSTOMERS: BY JULY 1, 2021

2020 Annual Drinking Water Quality Report
Willow Grove Water Association
PWS#: 0160010
April 2021

RECEIVED-WATER SUPPLY
2021 MAY -5 AM 8:57

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or concerning your water utility, please contact Gaines Reynolds, President at 601.270.6186. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the meeting scheduled for the third Tuesday of each month at 5:00 PM at the well site.

Our water source is from wells drawing from the Catahoula Formation and the Miocene Aquifers. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Willow Grove Water Association have received lower susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

TEST RESULTS								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2018*	.0159	.0038 - .0159	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018*	4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2018*	.593	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

17. Lead	N	2018*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2020	.79	.75 - .79	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2019*	97000	20000 - 97000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

Disinfection By-Products

Chlorine	N	2020	1.8	0 – 2	mg/l	0	MRDL = 4	Water additive used to control microbes
----------	---	------	-----	-------	------	---	----------	---

* Most recent sample. No sample required for 2020.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Willow Grove Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

ility Water Report. This report is designed to inform you about the quality water and
s to provide you with a safe and dependable supply of drinking water. We want you to
the water treatment process and protect our water resources. We are committed to

g your water utility, please contact Gaines Reynolds, President at 601.270.6188. We
ster utility. If you want to learn more, please attend the meeting scheduled for the third

oula Formation and the Miocene Aquifers. The source water assessment has been
he overall susceptibility of its drinking water supply to identify potential sources of
on how the susceptibility determinations were made has been furnished to our public
The wells for the Willow Grove Water Association have received lower susceptibility

ater according to Federal and State laws. This table below lists all of the drinking water
uary 1st to December 31st, 2020. In cases where monitoring wasn't required in 2020,
s over the surface of land or underground, it discloses naturally occurring minerals and
substances or contaminants from the presence of animals or from human activity,
that may come from sewage treatment plants, septic systems, agricultural livestock
s salts and metals, which can be naturally occurring or result from urban storm-water
il and gas production, mining, or farming; pesticides and herbicides, which may come
storm-water runoff, and residential uses; organic chemical contaminants, including
products of industrial processes and petroleum production, and can also come from gas
which can be naturally occurring or be the result of oil and gas production and mining
rink, EPA prescribes regulations that limit the amount of certain contaminants in water
cluding bottled drinking water, may be reasonably expected to contain at least small
umber that the presence of these contaminants does not necessarily indicate that the

ns you might not be familiar with. To help you better understand these terms we've

ch, if exceeded, triggers treatment or other requirements which a water system must

Allowed* (MCL) is the highest level of a contaminant that is allowed in drinking water.
he best available treatment technology.

1*(MCLG) is the level of a contaminant in drinking water below which there is no known
safety.

ghest level of a disinfectant allowed in drinking water. There is convincing evidence that
al contaminants.

e part per million corresponds to one minute in two years or a single penny in \$10,000.

per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

TEST RESULTS

Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measura- ment	MCLG	MCL	Likely Source of Contamination
.0038 - .0159	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
.75 - .79	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
20000 - 97000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents
0 - 2	mg/l	0	MRDL = 4	Water additive used to control microbes

pecific contaminants on a monthly basis. Results of regular monitoring are an indicator of
dards. In an effort to ensure systems complete all monitoring requirements, MSDH now
nd of the compliance period.

health problems, especially for pregnant women and young children. Lead in drinking water
ed with service lines and home plumbing. Our water system is responsible for providing
ariety of materials used in plumbing components. When your water has been sitting for
l exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking
ater, you may wish to have your water tested. Information on lead in drinking water, testing
imize exposure is available from the Safe Drinking Water Hotline or at
State Department of Health Public Health Laboratory offers lead testing. Please contact

contamination by substances that are naturally occurring or man made. These substances
id radioactive substances. All drinking water, including bottled water, may reasonably be
contaminants. The presence of contaminants does not necessarily indicate that the water
nants and potential health effects can be obtained by calling the Environmental Protection
791.

ints in drinking water than the general population. Immuno-compromised persons such as
ersons who have undergone organ transplants, people with HIV/AIDS or other immune
particularly at risk from infections. These people should seek advice about drinking water
nes on appropriate means to lessen the risk of infection by cryptosporidium and other
Safe Drinking Water Hotline 1.800.426.4791.

the clock to provide top quality water to every tap. We ask that all our customers help us
community, our way of life and our children's future.

Proof of Publication

STATE OF MISSISSIPPI
COVINGTON COUNTY

PERSONALLY APPEARED before me, the undersigned authority,
in and for said County and State, **Analyne Arrington Goff**, Publisher
of **THE NEWS-COMMERCIAL**, a newspaper published in Collins,
said County, who being duly sworn, says the publication of a certain
notice, a true copy of which is hereto attached, was made in said
paper on the hereinafter dates, as follows, to-wit:

Vol. 119 No. 45 Dated May 12, 2021

Vol. _____ No. _____ Dated _____

Vol. _____ No. _____ Dated _____

Vol. _____ No. _____ Dated _____

Analyne Arrington Goff Publisher

Sworn to and subscribed before me, this the 12th day of
May, 2021.

Chris A. Daquila Notary Public

Printer's Fee \$ 198.00

Proof of Publication \$ 3.00

TOTAL \$ 201.00



We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or concerning your water utility, please contact Gaines Reynolds, President at 601.270.6186. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the meeting scheduled for the third Tuesday of each month at 5:00 PM at the well site.

Our water source is from wells drawing from the Catochoula Formation and the Miocene Aquifers. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Willow Grove Water Association have received lower susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

TEST RESULTS								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2018*	.0159	.0038 - .0159	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018*	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2018*	.593	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2020	.79	.75 - .79	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2018*	97000	20000 - 97000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents
Disinfection By-Products								
Chlorine	N	2020	1.8	0 - 2	mg/l	0	MRDL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2020.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Willow Grove Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Publish one time: May 12, 2021